The applicant states that there is a need to approve and construct the Mariposa Project since without the project PG&E's planning reserve margin will fall to 16.3% in 2012 which is below PG&E's planning reserve margin. The 2009 CAL-ISO summer assessment predicted a 30.6% planning reserve margin in 2009.

Table 1

Summer 2009 Outlook					
Resource Adequacy Planning Conventions	CAISO	SP26	NP26		
Existing Generation	47,500	22,558	24,929		
Retirements (Known)	22	0	22		
High Probability CA Additions	1,476	378	1,098		
Hydro Derates	-1,000	-208	-792		
Net Interchange (Moderate)	10,100	9,200	2,050		
Total Net Supply (MW)	58,098	31,929	27,306		
Demand (1-in-2 Summer Temperature)	45,379	25,412	21,370		
DR & Interruptible Programs	2,090	1,496	593		
Planning Reserve	32.6%	31.5%	30.6%		

Planning Reserve calculation (Total Net Supply + Demand Response + Interruptibles / 1-in-2 Demand)-1.

http://www.caiso.com/23ab/23abd69829524.pdf

The 2010 CAL-ISO summer assessment predicts a 38.5% Planning reserve margin in PG&E''s service territory.

Retirements (known/expected) ² (6) 0 (High Probability CA Additions 1,086 1,057 2 Hydro Derates 0 0 0 Net Interchange (Moderate) 10,100 9,200 2,05 Total Net Supply (MW) 60,988 33,583 28,55 Demand (1-in-2 Summer Temperature) 47,139 27,198 21,15 DR & Interruptible Programs ³ 2,403 1,668 73 Planning Reserve ⁴ 34.5% 29.6% 38.56 as of 3/22/2010 (refer to Table 8) 34.5% 29.6% 38.56	Resource Adequacy Planning Conventions	ISO	SP26	NP26
High Probability CA Additions 1,086 1,057 2 Hydro Derates 0 0 0 Net Interchange (Moderate) 10,100 9,200 2,05 Total Net Supply (MW) 60,988 33,583 28,55 Demand (1-in-2 Summer Temperature) 47,139 27,198 21,15 DR & Interruptible Programs ³ 2,403 1,668 73 Planning Reserve ⁴ 34.5% 29.6% 38.55 as of 3/22/2010 (refer to Table 8) 34.5% 29.6% 38.55 (refer to Table 9) 5 5 5 5	Existing Generation ¹	49,807	23,326	26,48
Hydro Derates 0 0 Net Interchange (Moderate) 10,100 9,200 2,05 Total Net Supply (MW) 60,988 33,583 28,55 Demand (1-in-2 Summer Temperature) 47,139 27,198 21,15 DR & Interruptible Programs ³ 2,403 1,668 73 Planning Reserve ⁴ 34.5% 29.6% 38.56 as of 3/22/2010 (refer to Table 8) 34.5% 29.6% 38.56 (refer to Table 9) 50 50 50 50	Retirements (known/expected) ²	(6)	0	(6
Net Interchange (Moderate) $10,100$ $9,200$ $2,03$ Total Net Supply (MW) $60,988$ $33,583$ $28,53$ Demand (1-in-2 Summer Temperature) $47,139$ $27,198$ $21,13$ DR & Interruptible Programs ³ $2,403$ $1,668$ 73 Planning Reserve ⁴ 34.5% 29.6% 38.5% as of $3/22/2010$ (refer to Table 8)as of $3/22/2010$ (refer to Table 8) 73	High Probability CA Additions	1,086	1,057	2
Total Net Supply (MW) 60,988 33,583 28,55 Demand (1-in-2 Summer Temperature) 47,139 27,198 21,15 DR & Interruptible Programs ³ 2,403 1,668 73 Planning Reserve ⁴ 34.5% 29.6% 38.55 as of 3/22/2010 (refer to Table 8) (refer to Table 9) 5 5	Hydro Derates	0	0	
Demand (1-in-2 Summer Temperature) 47,139 27,198 21,15 DR & Interruptible Programs ³ 2,403 1,668 73 Planning Reserve ⁴ 34.5% 29.6% 38.5% as of 3/22/2010 (refer to Table 8) (refer to Table 9) 50 50	Net Interchange (Moderate)	10,100	9,200	2,05
DR & Interruptible Programs32,4031,66873Planning Reserve434.5%29.6%38.5%as of 3/22/2010 (refer to Table 8) (refer to Table 9)55	Total Net Supply (MW)	60,988	33,583	28,55
Planning Reserve434.5%29.6%38.5%as of 3/22/2010 (refer to Table 8) (refer to Table 9)34.5%29.6%38.5%	Demand (1-in-2 Summer Temperature)	47,139	27,198	21,15
as of 3/22/2010 (refer to Table 8) as of 3/22/2010 (refer to Table 8) (refer to Table 9)	DR & Interruptible Programs ³	2,403	1,668	73
as of 3/22/2010 (refer to Table 8) (refer to Table 9)	Planning Reserve ⁴	34.5%	29.6%	38.5%
(refer to Table 9)	as of 3/22/2010 (refer to Table 8)		الم المعروب المالي	
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	³ (refer to Table 9)			-

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